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**Earth-moving machinery - Hydraulic breakers - Terminology
and commercial specifications**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1. Structure and Drafting Rules of Standardization Documents"

Drafting.

This document is equivalent to ISO 16417.2020 "Terminology and Commercial Specifications for Hydraulic Breakers for Earthmoving Machinery".

Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents.

1 Scope

This document specifies the terminology and commercial specifications for hydraulic breakers installed as attachments on load-bearing machines, usually referred to as

Earthmoving machinery as defined in ISO 6165, such as excavators, backhoe loaders, skid steer loaders and mini loaders; or with a hydraulic breaker installed

At the front end of the small arm of drilling rigs, pedestal boom systems, demolition robots, etc.

Hydraulic breakers are commonly used to demolish or break rock, concrete, brickwork, asphalt, etc.

This document does not apply to breakers powered by pneumatic, thermal, or electromagnetic energy, nor to portable or handheld breakers.

2 Normative reference documents

This document has no normative references.

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Carrier

Mobile or non-mobile machinery that provides power and range of motion to installed components.

Note. Mobile machinery is usually an excavator, backhoe loader, skid steer loader or mini loader. Non-mobile machinery is usually a pedestal boom system,

Dismantle robots, etc.

3.2

attachment

An assembly of components mounted on a load carrier (3.1) for a specific purpose.

[Source. GB/T 18577.2-2008, 3.5, with modifications]

3.3

hydraulic breaker hydraulicbreaker

Attachment (3.2) for hydraulic impact methods for breaking concrete, rock, brickwork, asphalt, etc.

3.3.1

accumulator accumulator

3.3.1.1

hydraulic accumulator hydraulicaccumulator

Pressure storage vessels that enable hydraulic systems to supplement additional demands and eliminate pressure pulses.

3.3.1.2

piston accumulatorpistonaccumulator

The upper end of the piston (3.3.8) is filled with an energy storage chamber filled with nitrogen. The stored energy acts on the upper surface of the piston to make it reciprocate and assist in the activity.

plug speeds up.

3.3.2

rear shell backhead

There is a certain space at the upper end of the cylinder to allow the upper end of the piston (3.3.8) to enter the reciprocating closing device.

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